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| FORM PTO-1390<br>TRADEMARK OFFICE<br>(REV 9-2001)   | U.S. DEPARTMENT OF COMMERCE PATENT AND                 | ATTORNEY'S DOCKET NUMBER                          |
|   |  | <b>TS6331US</b>                                   |
|   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)   |
|   |  | <b>10/520606</b>                                  |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2003/006750  | INTERNATIONAL FILING DATE<br>24 June 2003 (24.06.2003) | PRIORITY DATE CLAIMED<br>8 July 2002 (08.07.2002) |
| TITLE OF INVENTION:<br>CHOKE FOR CONTROLLING THE FLOW OF DRILLING MUD   |  |   |
| APPLICANT(S) FOR DO/EO/US :<br>VAN RIET, Egbert, Jan  |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |   |
| Items 11 to 20 below concern document(s) or information included:   |  |   |
| <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: postcard for date stamping</li> </ol>   |  |   |

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/520606</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP2003/006750                            |              | ATTORNEY'S DOCKET NUMBER<br>TS6331 US   |                 |
| 21. The following fees are submitted:  |              |   |              | Applicant use   | Office use only |
| <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00<br><input checked="" type="checkbox"/> b) Examination fee..... \$200.00<br><input checked="" type="checkbox"/> c) Search fee..... \$500.00   |              |   |              | \$ 300.00   |                 |
|  |              |   |              | \$ 200.00   |                 |
|  |              |   |              | \$ 500.00   |                 |
|  |              |   |              | \$1000.00   |                 |
| <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>   |              |   |              |   |                 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |              |   |                 |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) |              | RATE  |                 |
| - 100 =  | /50 =        |   |              | x \$250.00  | \$              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |              | \$  |                 |
| CLAIMS   |              | NUMBER FILED  | NUMBER EXTRA | RATE  |                 |
| Total claims   |              | 8   | - 20 =       | x \$50.00   | \$              |
| Independent claims   |              | 2   | - 3 =        | x \$200.00  | \$              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   |              | + \$360.00  | \$              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |              | \$  |                 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.   |              |   |              | \$  |                 |
|  |              |   |              | <b>SUBTOTAL =</b>   | \$              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).<br>+ \$130.00  |              |   |              | \$  |                 |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |              | \$  |                 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property<br>+ \$40.00  |              |   |              | \$ 40.00  |                 |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |              | \$  |                 |
| Amount to be refunded:<br>Amount to be charged   |              |   |              | <br>\$ 1040.00 |                 |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>19-1800</u> in the amount of \$ <u>1040.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-1800</u> . A duplicate copy of this sheet is enclosed.<br>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |              |   |              |   |                 |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.   |              |   |              |   |                 |
| SEND ALL CORRESPONDENCE TO:  |              |   |              |   |                 |
| Eugene R. MONTALVO<br>SHELL OIL COMPANY<br>Intellectual Property<br>P.O. Box 2463<br>Houston, Texas 77252-2463<br>tele:713-241-0296  |              |   |              |   |                 |
| <br>SIGNATURE<br>Eugene R. Montalvo  |              |   |              |   |                 |
| NAME<br>32,790   |              |   |              |   |                 |
| REGISTRATION NUMBER  |              |   |              |   |                 |